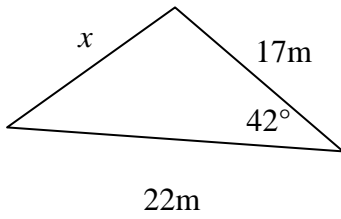


Law of Cosines

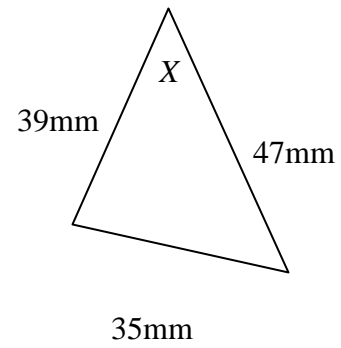
Name _____ per _____

Solve for x in each triangle. Round to the nearest tenth.

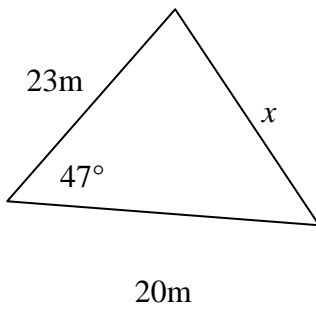
1)



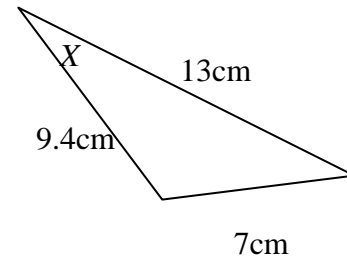
2)



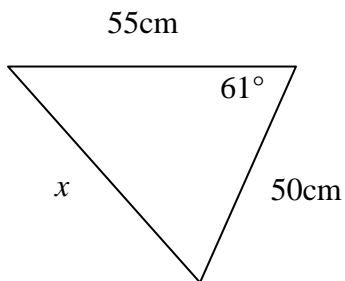
3)



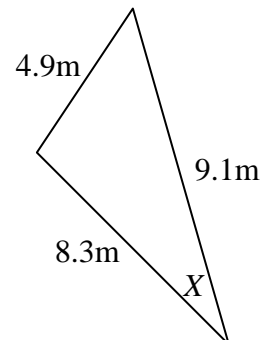
4)



5)



6)



Solve for all missing sides and angles in each triangle. Round to the nearest tenth

7) $\triangle XYZ$: $x = 29m, y = 15m, \angle Z = 122^\circ$

$X =$ _____ $Y =$ _____ $Z =$ _____

8) $\triangle GHI$: $g = 13cm, h = 8cm, i = 15cm$

$G =$ _____ $H =$ _____ $I =$ _____

9) $\triangle MNO$: $n = 31m, o = 28m, \angle M = 62^\circ$

$N =$ _____ $O =$ _____ $m =$ _____